Robert N Weinreb

List of Publications by Year
in descending order

464	30,464	86	146
papers	citations	h-index	g-index
		4388	8630

472	472	472	11739
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Pathophysiology and Treatment of Glaucoma. JAMA - Journal of the American Medical Association, 2014, 311, 1901.	7.4	2,572
2	Primary open-angle glaucoma. Lancet, The, 2004, 363, 1711-1720.	13.7	1,728
3	Evaluation of retinal nerve fiber layer, optic nerve head, and macular thickness measurements for glaucoma detection using optical coherence tomography. American Journal of Ophthalmology, 2005, 139, 44-55.	3.3	589
4	Retinal Nerve Fiber Layer Imaging with Spectral-Domain Optical Coherence Tomography. Ophthalmology, 2009, 116, 1257-1263.e2.	5.2	448
5	Comparison of the GDx VCC Scanning Laser Polarimeter, HRT II ConfocalScanning Laser Ophthalmoscope, and Stratus OCT Optical Coherence Tomographfor the Detection of Glaucoma. JAMA Ophthalmology, 2004, 122, 827.	2.4	423
6	Optical Coherence Tomography Angiography Vessel Density in Healthy, Glaucoma Suspect, and Glaucoma Eyes. , 2016, 57, OCT451.		392
7	Twenty-four-Hour Intraocular Pressure Pattern Associated with Early Glaucomatous Changes. , 2003, 44, 1586.		387
8	Mechanisms of optic nerve damage in primary open angle glaucoma. Survey of Ophthalmology, 1994, 39, 23-42.	4.0	377
9	Relationship between Optical Coherence Tomography Angiography Vessel Density and Severity of Visual Field Loss in Glaucoma. Ophthalmology, 2016, 123, 2498-2508.	5.2	347
10	Primary open-angle glaucoma. Nature Reviews Disease Primers, 2016, 2, 16067.	30.5	319
11	Reproducibility of nerve fiber layer thickness measurements by use of optical coherence tomography11The authors have no financial interest in the Optical Coherence Tomography technology.. Ophthalmology, 2000, 107, 2278-2282.	5.2	311
12	Evaluation of the Influence of Corneal Biomechanical Properties on Intraocular Pressure Measurements Using the Ocular Response Analyzer. Journal of Glaucoma, 2006, 15, 364-370.	1.6	279
13	Common Variants at 9p21 and 8q22 Are Associated with Increased Susceptibility to Optic Nerve Degeneration in Glaucoma. PLoS Genetics, 2012, 8, e1002654.	3.5	276
14	The African Descent and Glaucoma Evaluation Study (ADAGES). JAMA Ophthalmology, 2009, 127, 1136.	2.4	269
15	Optic Disc Change with Incipient Myopia of Childhood. Ophthalmology, 2012, 119, 21-26.e3.	5.2	249
16	Evaluation of Retinal Nerve Fiber Layer Progression in Glaucoma: A Study on Optical Coherence Tomography Guided Progression Analysis. , 2010, 51, 217.		247
17	Caspase-8 promotes NLRP1/NLRP3 inflammasome activation and IL-1Î² production in acute glaucoma. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11181-11186.	7.1	236
18	Corneal thickness as a risk factor for visual field loss in patients with preperimetric glaucomatous optic neuropathy. American Journal of Ophthalmology, 2003, 136, 805-813.	3.3	232

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19	Corneal Hysteresis as a Risk Factor for Glaucoma Progression: A Prospective Longitudinal Study. Ophthalmology, 2013, 120, 1533-1540.	5.2	232
20	Regional Comparisons of Optical Coherence Tomography Angiography Vessel Density in Primary Open-Angle Glaucoma. American Journal of Ophthalmology, 2016, 171, 75-83.	3.3	221
21	Genome-wide association analysis identifies TXNRD2, ATXN2 and FOXC1 as susceptibility loci for primary open-angle glaucoma. Nature Genetics, 2016, 48, 189-194.	21.4	211
22	Performance of Deep Learning Architectures and Transfer Learning for Detecting Glaucomatous Optic Neuropathy in Fundus Photographs. Scientific Reports, 2018, 8, 16685.	3.3	211
23	Peripapillary and Macular Vessel Density in Patients with Glaucoma and Single-Hemifield Visual Field Defect. Ophthalmology, 2017, 124, 709-719.	5.2	202
24	The Structure and Function Relationship in Glaucoma: Implications for Detection of Progression and Measurement of Rates of Change. , 2012, 53, 6939.		200
25	Deep Retinal Layer Microvasculature Dropout Detected by the Optical Coherence Tomography Angiography in Glaucoma. Ophthalmology, 2016, 123, 2509-2518.	5.2	194
26	Adjusting the Dose of 5-Fluorouracil after Filtration Surgery to Minimize Side Effects. Ophthalmology, 1987, 94, 564-570.	5.2	192
27	Reversal of Lamina Cribrosa Displacement and Thickness after Trabeculectomy in Glaucoma. Ophthalmology, 2012, 119, 1359-1366.	5.2	189
28	Development and Validation of a Deep Learning System to Detect Glaucomatous Optic Neuropathy Using Fundus Photographs. JAMA Ophthalmology, 2019, 137, 1353.	2.5	188
29	Visualization of the Lamina Cribrosa Using Enhanced Depth Imaging Spectral-Domain Optical Coherence Tomography. American Journal of Ophthalmology, 2011, 152, 87-95.e1.	3.3	183
30	Frequency doubling technology perimetry abnormalities as predictors of glaucomatous visual field loss. American Journal of Ophthalmology, 2004, 137, 863-871.	3.3	178
31	Structureâ€“Function Relationships Using Confocal Scanning Laser Ophthalmoscopy, Optical Coherence Tomography, and Scanning Laser Polarimetry. , 2006, 47, 2889.		174
32	Comparison of the Diagnostic Accuracies of the Spectralis, Cirrus, and RTVue Optical Coherence Tomography Devices in Glaucoma. Ophthalmology, 2011, 118, 1334-1339.	5.2	174
33	Comparison of machine learning and traditional classifiers in glaucoma diagnosis. IEEE Transactions on Biomedical Engineering, 2002, 49, 963-974.	4.2	173
34	Correlation between office and peak nocturnal intraocular pressures in healthy subjects and glaucoma patients. American Journal of Ophthalmology, 2005, 139, 320-324.	3.3	173
35	Baseline Topographic Optic Disc Measurements Are Associated With the Development of Primary Open-Angle Glaucoma. JAMA Ophthalmology, 2005, 123, 1188.	2.4	171
36	Retinal nerve fiber layer thickness measurements with scanning laser polarimetry predict glaucomatous visual field loss. American Journal of Ophthalmology, 2004, 138, 592-601.	3.3	169

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37	Comparison of Different Spectral Domain Optical Coherence Tomography Scanning Areas for Glaucoma Diagnosis. Ophthalmology, 2010, 117, 1692-1699.e1.	5.2	169
38	Efficacy and Safety of Memantine Treatment for Reduction of Changes Associated with Experimental Glaucoma in Monkey, II: Structural Measures. , 2004, 45, 2640.		168
39	Estimating Optical Coherence Tomography Structural Measurement Floors to Improve Detection of Progression in AdvancedÂGlaucoma. American Journal of Ophthalmology, 2017, 175, 37-44.	3.3	167
40	Validation of a Predictive Model to Estimate the Risk of Conversion From Ocular Hypertension to Glaucoma. JAMA Ophthalmology, 2005, 123, 1351.	2.4	166
41	Progressive Macula Vessel Density Loss in Primary Open-Angle Glaucoma: A Longitudinal Study. American Journal of Ophthalmology, 2017, 182, 107-117.	3.3	165
42	Retinal Nerve Fiber Layer Imaging with Spectral-domain Optical Coherence Tomography. Ophthalmology, 2012, 119, 1858-1866.	5.2	163
43	Rates of Retinal Nerve Fiber Layer Thinning in Glaucoma Suspect Eyes. Ophthalmology, 2014, 121, 1350-1358.	5.2	157
44	Influence of Disease Severity and Optic Disc Size on the Diagnostic Performance of Imaging Instruments in Glaucoma. , 2006, 47, 1008.		155
45	Continuous 24-Hour Monitoring of Intraocular Pressure Patterns With a Contact Lens Sensor. JAMA Ophthalmology, 2012, 130, 1534.	2.4	154
46	Baseline Optical Coherence Tomography Predicts the Development of Glaucomatous Change in Glaucoma Suspects. American Journal of Ophthalmology, 2006, 142, 576-582.e1.	3.3	153
47	Comparison of the nocturnal effects of once-daily timolol and latanoprost on intraocular pressure. American Journal of Ophthalmology, 2004, 138, 389-395.	3.3	149
48	Longitudinal Changes in Quality of Life and Rates of Progressive Visual Field Loss in Glaucoma Patients. Ophthalmology, 2015, 122, 293-301.	5.2	144
49	24-2 Visual Fields Miss Central Defects Shown on 10-2 Tests in Glaucoma Suspects, Ocular Hypertensives, and Early Glaucoma. Ophthalmology, 2017, 124, 1449-1456.	5.2	142
50	Impact of Age-related Change of Retinal Nerve Fiber Layer and Macular Thicknesses on Evaluation of Glaucoma Progression. Ophthalmology, 2013, 120, 2485-2492.	5.2	134
51	A randomised, controlled comparison of latanoprostene bunod and latanoprost 0.005% in the treatment of ocular hypertension and open angle glaucoma: the VOYAGER study. British Journal of Ophthalmology, 2015, 99, 738-745.	3.9	132
52	Estimating Lead Time Gained by OpticalÂCoherence Tomography in DetectingÂGlaucoma before Development ofÂVisual Field Defects. Ophthalmology, 2015, 122, 2002-2009.	5.2	131
53	Macular and Optic Nerve Head Vessel Density and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. Ophthalmology, 2018, 125, 1720-1728.	5.2	131
54	African Descent and Glaucoma Evaluation Study (ADAGES). JAMA Ophthalmology, 2010, 128, 541.	2.4	125

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55	A Combined Index of Structure and Function for Staging Glaucomatous Damage. JAMA Ophthalmology, 2012, 130, 1107-16.	2.4	125
56	Diagnostic ability of peripapillary vessel density measurements of optical coherence tomography angiography in primary open-angle and angle-closure glaucoma. British Journal of Ophthalmology, 2017, 101, 1066-1070.	3.9	125
57	Reversal of Lamina Cribrosa Displacement after Intraocular Pressure Reduction in Open-Angle Glaucoma. Ophthalmology, 2013, 120, 553-559.	5.2	124
58	Repeatability of vessel density measurements of optical coherence tomography angiography in normal and glaucoma eyes. British Journal of Ophthalmology, 2018, 102, 352-357.	3.9	122
59	Measurement Floors and Dynamic Ranges of OCT and OCT Angiography in Glaucoma. Ophthalmology, 2019, 126, 980-988.	5.2	121
60	Evaluation of Retinal Nerve Fiber Layer Progression in Glaucoma. Ophthalmology, 2011, 118, 1551-1557.	5.2	116
61	Risk of Visual Field Progression in Glaucoma Patients with Progressive Retinal Nerve Fiber Layer Thinning. Ophthalmology, 2016, 123, 1201-1210.	5.2	115
62	Structure and function evaluation (SAFE): I. criteria for glaucomatous visual field loss using standard automated perimetry (SAP) and short wavelength automated perimetry (SWAP)11Internet Advance publication at ajo.com June 17, 2002.. American Journal of Ophthalmology, 2002, 134, 177-185.	3.3	114
63	Use of Progressive Glaucomatous Optic Disk Change as the Reference Standard for Evaluation of Diagnostic Tests in Glaucoma. American Journal of Ophthalmology, 2005, 139, 1010-1018.	3.3	114
64	Genetic association study of exfoliation syndrome identifies a protective rare variant at LOXL1 and five new susceptibility loci. Nature Genetics, 2017, 49, 993-1004.	21.4	114
65	Retinal Nerve Fiber Layer Imaging with Spectral-Domain Optical Coherence Tomography: Interpreting the RNFL Maps in Healthy Myopic Eyes. , 2012, 53, 7194.		113
66	Optic Neuropathy Induced by Experimentally Reduced Cerebrospinal Fluid Pressure in Monkeys. , 2014, 55, 3067.		113
67	Combining Structural and Functional Testing for Detection of Glaucoma. Ophthalmology, 2006, 113, 1593-1602.	5.2	112
68	Comparison of Different Spectral Domain OCT Scanning Protocols for Diagnosing Preperimetric Glaucoma. , 2013, 54, 3417.		112
69	Agreement Among Spectral-Domain Optical Coherence Tomography Instruments for Assessing Retinal Nerve Fiber Layer Thickness. American Journal of Ophthalmology, 2011, 151, 85-92.e1.	3.3	111
70	Evaluation of Retinal Nerve Fiber Layer Progression in Glaucoma. Ophthalmology, 2011, 118, 1558-1562.	5.2	111
71	Optical Coherence Tomography Angiography in Glaucoma. Journal of Glaucoma, 2020, 29, 312-321.	1.6	110
72	Optical Coherence Tomography Angiography Vessel Density in Glaucomatous Eyes with Focal Lamina Cribrosa Defects. Ophthalmology, 2016, 123, 2309-2317.	5.2	106

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73	Reproducibility of Optical Coherence Tomography Angiography Macular and Optic Nerve Head Vascular Density in Glaucoma and Healthy Eyes. Journal of Glaucoma, 2017, 26, 851-859.	1.6	106
74	Peripapillary and Macular Vessel Density in Patients with Primary Open-Angle Glaucoma and Unilateral Visual Field Loss. Ophthalmology, 2018, 125, 578-587.	5.2	106
75	Deep Learning Approaches Predict Glaucomatous Visual Field Damage from OCT Optic Nerve Head En Face Images and Retinal Nerve Fiber Layer Thickness Maps. Ophthalmology, 2020, 127, 346-356.	5.2	106
76	The mechanism of action of prostaglandins on uveoscleral outflow. Current Opinion in Ophthalmology, 2000, 11, 112-115.	2.9	106
77	Latanoprostene Bunod 0.024% versus Timolol Maleate 0.5% in Subjects with Open-Angle Glaucoma or Ocular Hypertension. Ophthalmology, 2016, 123, 965-973.	5.2	105
78	Identifying Glaucomatous Vision Loss with Visual-Functionâ€"Specific Perimetry in the Diagnostic Innovations in Glaucoma Study. , 2006, 47, 3381.		104
79	Is Neuroprotection a Viable Therapy for Glaucoma?. JAMA Ophthalmology, 1999, 117, 1540.	2.4	103
80	Assessment of Choroidal Thickness and Volume during the Water Drinking Test by Swept-Source Optical Coherence Tomography. Ophthalmology, 2013, 120, 2508-2516.	5.2	102
81	Primary cilia signaling mediates intraocular pressure sensation. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 12871-12876.	7.1	102
82	Combining Structural and Functional Measurements to Improve Detection of Glaucoma Progression using Bayesian Hierarchical Models. , 2011, 52, 5794.		101
83	Retinal Nerve Fiber Layer Imaging with Spectral-Domain Optical Coherence Tomography. Ophthalmology, 2010, 117, 267-274.	5.2	99
84	Structure-function Relationships Using the Cirrus Spectral Domain Optical Coherence Tomograph and Standard Automated Perimetry. Journal of Glaucoma, 2012, 21, 49-54.	1.6	99
85	Optical Coherence Tomography Angiography Macular Vascular Density Measurements and the Central 10-2 Visual Field in Glaucoma. Journal of Glaucoma, 2018, 27, 481-489.	1.6	98
86	Structure and function evaluation (SAFE): II. comparison of optic disk and visual field characteristics. American Journal of Ophthalmology, 2003, 135, 148-154.	3.3	97
87	Comparing the Rates of Retinal Nerve Fiber Layer and Ganglion Cellâ€"Inner Plexiform Layer Loss in Healthy Eyes and in Glaucoma Eyes. American Journal of Ophthalmology, 2017, 178, 38-50.	3.3	97
88	Oral Memantine for the Treatment of Glaucoma. Ophthalmology, 2018, 125, 1874-1885.	5.2	97
89	The Relationship Between Structural and Functional Alterations in Glaucoma: A Review. Seminars in Ophthalmology, 2000, 15, 221-233.	1.6	96
90	Racial Differences in Optic Disc Topography. JAMA Ophthalmology, 2004, 122, 22.	2.4	95

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91	Evaluation of Retinal and Choroidal Thickness by Swept-Source Optical Coherence Tomography: Repeatability and Assessment of Artifacts. American Journal of Ophthalmology, 2014, 157, 1022-1032.e3.	3.3	94
92	Differentiation of Parapapillary Atrophy Using Spectral-Domain Optical Coherence Tomography. Ophthalmology, 2013, 120, 1790-1797.	5.2	93
93	African Descent and Glaucoma Evaluation Study (ADAGES). JAMA Ophthalmology, 2010, 128, 551.	2.4	92
94	A comparison of the diagnostic ability of vessel density and structural measurements of optical coherence tomography in primary open angle glaucoma. PLoS ONE, 2017, 12, e0173930.	2.5	92
95	Change in Optic Disk Topography After Trabeculectomy. American Journal of Ophthalmology, 1996, 122, 690-695.	3.3	91
96	Heidelberg Retina Tomograph Measurements of the Optic Disc and Parapapillary Retina for Detecting Glaucoma Analyzed by Machine Learning Classifiers. , 2004, 45, 3144.		91
97	Association of CAV1/CAV2 Genomic Variants with Primary Open-Angle Glaucoma Overall and by Gender and Pattern of Visual Field Loss. Ophthalmology, 2014, 121, 508-516.	5.2	91
98	Role of Optic Nerve Imaging in Glaucoma Clinical Practice and Clinical Trials. American Journal of Ophthalmology, 2008, 145, 598-603.e1.	3.3	90
99	The Relationship between Intraocular Pressure and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. Ophthalmology, 2009, 116, 1125-1133.e3.	5.2	90
100	Defects of the Lamina Cribrosa in Eyes with Localized Retinal Nerve Fiber Layer Loss. Ophthalmology, 2014, 121, 110-118.	5.2	90
101	Determinants of Peripapillary and Macular Vessel Densities Measured by Optical Coherence Tomography Angiography in Normal Eyes. Journal of Glaucoma, 2017, 26, 491-497.	1.6	90
102	Meta-analysis of genome-wide association studies identifies novel loci that influence cupping and the glaucomatous process. Nature Communications, 2014, 5, 4883.	12.8	89
103	Macula Vessel Density and Thickness in Early Primary Open-Angle Glaucoma. American Journal of Ophthalmology, 2019, 199, 120-132.	3.3	87
104	Retinal Nerve Fiber Layer Features Identified by Unsupervised Machine Learning on Optical Coherence Tomography Scans Predict Glaucoma Progression. , 2018, 59, 2748.		86
105	Comparison of Latanoprostene Bunod 0.024% and Timolol Maleate 0.5% in Open-Angle Glaucoma or Ocular Hypertension: The LUNAR Study. American Journal of Ophthalmology, 2016, 168, 250-259.	3.3	85
106	Detection of Progressive Retinal Nerve Fiber Layer Loss in Glaucoma Using Scanning Laser Polarimetry with Variable Corneal Compensation. , 2009, 50, 1675.		84
107	Effect of Disease Severity on the Performance of Cirrus Spectral-Domain OCT for Glaucoma Diagnosis. , 2010, 51, 4104.		84
108	The Relationship between Intraocular Pressure Reduction and Rates of Progressive Visual Field Loss in Eyes with Optic Disc Hemorrhage. Ophthalmology, 2010, 117, 2061-2066.	5.2	83

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109	Ethnic Differences in Optic Nerve Head Topography. Journal of Glaucoma, 1995, 4, 248???257.	1.6	81
110	Indocyanine Green Angiography of the Peripapillary Region in Glaucomatous Eyes by Confocal Scanning Laser Ophthalmoscopy. American Journal of Ophthalmology, 1997, 123, 657-666.	3.3	81
111	Effect of image quality on tissue thickness measurements obtained with spectral domain-optical coherence tomography. Optics Express, 2009, 17, 4019.	3.4	81
112	Vessel Density and Structural Measurements of Optical Coherence Tomography in Primary Angle Closure and Primary Angle Closure Glaucoma. American Journal of Ophthalmology, 2017, 177, 106-115.	3.3	81
113	Structure-Function Relationship in Glaucoma Using Spectral-Domain Optical Coherence Tomography. JAMA Ophthalmology, 2011, 129, 864.	2.4	79
114	Association Between Progressive Retinal Nerve Fiber Layer Loss and Longitudinal Change in Quality of Life in Glaucoma. JAMA Ophthalmology, 2015, 133, 384.	2.5	79
115	Structural Change Can Be Detected in Advanced-Glaucoma Eyes. , 2016, 57, OCT511.		79
116	Conjunctival and Intrascleral Vasculatures Assessed Using Anterior Segment Optical Coherence Tomography Angiography in Normal Eyes. American Journal of Ophthalmology, 2018, 196, 1-9.	3.3	79
117	Quantitative assessment of the optic nerve head with the laser tomographic scanner. International Ophthalmology, 1989, 13, 25-29.	1.4	78
118	Mapping structural to functional damage in glaucoma with standard automated perimetry and confocal scanning laser ophthalmoscopy. American Journal of Ophthalmology, 1998, 125, 436-446.	3.3	77
119	Ganglion Cell Complex Thickness and Macular Vessel Density Loss in Primary Open-Angle Glaucoma. Ophthalmology, 2020, 127, 1043-1052.	5.2	77
120	Short-Term Repeatability of Diurnal Intraocular Pressure Patterns in Glaucomatous Individuals. Ophthalmology, 2011, 118, 47-51.	5.2	76
121	CDKN2B-AS1 Genotypeâ€"Glaucoma Feature Correlations in Primary Open-Angle Glaucoma Patients From the United States. American Journal of Ophthalmology, 2013, 155, 342-353.e5.	3.3	76
122	Relevance Vector Machine and Support Vector Machine Classifier Analysis of Scanning Laser Polarimetry Retinal Nerve Fiber Layer Measurements. , 2005, 46, 1322.		75
123	Effect of Signal Strength and Improper Alignment on the Variability of Stratus Optical Coherence Tomography Retinal Nerve Fiber Layer Thickness Measurements. American Journal of Ophthalmology, 2009, 148, 249-255.e1.	3.3	75
124	Aqueous Angiography: Aqueous Humor Outflow Imaging in Live Human Subjects. Ophthalmology, 2017, 124, 1249-1251.	5.2	75
125	Comparing machine learning classifiers for diagnosing glaucoma from standard automated perimetry. Investigative Ophthalmology and Visual Science, 2002, 43, 162-9.	3.3	75
126	Rates of Progressive Retinal Nerve Fiber Layer Loss in Glaucoma Measured by Scanning Laser Polarimetry. American Journal of Ophthalmology, 2010, 149, 908-915.	3.3	73

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127	Recent Structural Alteration of the Peripheral Lamina Cribrosa Near the Location of Disc Hemorrhage in Glaucoma. , 2014, 55, 2805.		73
128	Matrix Metalloproteinases and Glaucoma Treatment. Journal of Ocular Pharmacology and Therapeutics, 2020, 36, 208-228.	1.4	70
129	Efficacy of a Contact Lens Sensor for Monitoring 24-H Intraocular Pressure Related Patterns. PLoS ONE, 2015, 10, e0125530.	2.5	69
130	Diurnal Intraocular Pressure Patterns are Not Repeatable in the Short Term in Healthy Individuals. Ophthalmology, 2010, 117, 1700-1704.	5.2	68
131	Diagnostic Ability of Macular Ganglion Cell Inner Plexiform Layer Measurements in Glaucoma Using Swept Source and Spectral Domain Optical Coherence Tomography. PLoS ONE, 2015, 10, e0125957.	2.5	68
132	Aqueous Angiography in Living Nonhuman Primates Shows Segmental, Pulsatile, and Dynamic Angiographic Aqueous Humor Outflow. Ophthalmology, 2017, 124, 793-803.	5.2	68
133	A Comparison of Rates of Change in Neuroretinal Rim Area and Retinal Nerve Fiber Layer Thickness in Progressive Glaucoma. , 2010, 51, 3531.		67
134	Diagnostic Ability of Retinal Nerve Fiber Layer Imaging byÂSwept-Source Optical Coherence Tomography inÂGlaucoma. American Journal of Ophthalmology, 2015, 159, 193-201.	3.3	67
135	Bayesian Machine Learning Classifiers for Combining Structural and Functional Measurements to Classify Healthy and Glaucomatous Eyes. , 2008, 49, 945.		66
136	Comparing Diurnal and Nocturnal Effects of Brinzolamide and Timolol on Intraocular Pressure in Patients Receiving Latanoprost Monotherapy. Ophthalmology, 2009, 116, 449-454.	5.2	66
137	P16INK4a Upregulation Mediated by SIX6 Defines Retinal Ganglion Cell Pathogenesis in Glaucoma. Molecular Cell, 2015, 59, 931-940.	9.7	66
138	Assessment of Choroidal Thickness in Healthy and Glaucomatous Eyes Using Swept Source Optical Coherence Tomography. PLoS ONE, 2014, 9, e109683.	2.5	65
139	Long-term Safety and Efficacy of Latanoprostene Bunod 0.024% in Japanese Subjects with Open-Angle Glaucoma or Ocular Hypertension: The JUPITER Study. Advances in Therapy, 2016, 33, 1612-1627.	2.9	65
140	Differences in Visual Function and Optic Nerve Structure Between Healthy Eyes of Blacks and Whites. JAMA Ophthalmology, 2005, 123, 1547.	2.4	64
141	Diurnal and Nocturnal Effects of Brimonidine Monotherapy on Intraocular Pressure. Ophthalmology, 2010, 117, 2075-2079.	5.2	64
142	24-h monitoring devices and nyctohemeral rhythms of intraocular pressure. Progress in Retinal and Eye Research, 2016, 55, 108-148.	15.5	64
143	Dynamic Analysis of Iris Configuration with Anterior Segment Optical Coherence Tomography. , 2010, 51, 4040.		63
144	Relationship between Ganglion Cell Layer Thickness and Estimated Retinal Ganglion Cell Counts in the Glaucomatous Macula. Ophthalmology, 2014, 121, 2371-2379.	5.2	62

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145	Phase 3, Randomized, 20-Month Study ofÂBimatoprost Implant in Open-Angle Glaucoma and Ocular Hypertension (ARTEMIS 1). Ophthalmology, 2020, 127, 1627-1641.	5.2	62
146	Prostaglandin FP Agonists Alter Metalloproteinase Gene Expression in Sclera. , 2004, 45, 4368.		61
147	The Importance of Models in Glaucoma Research. Journal of Glaucoma, 2005, 14, 302-304.	1.6	61
148	Relationships among systemic blood pressure, intraocular pressure, and open-angle glaucoma. Canadian Journal of Ophthalmology, 2008, 43, 302-307.	0.7	61
149	Corneal Hysteresis and Progressive Retinal Nerve Fiber Layer Loss in Glaucoma. American Journal of Ophthalmology, 2016, 166, 29-36.	3.3	61
150	Parapapillary Deep-Layer Microvasculature Dropout and Visual Field Progression in Glaucoma. American Journal of Ophthalmology, 2019, 200, 65-75.	3.3	61
151	The Relative Odds of Progressing by Structural and Functional Tests in Glaucoma. , 2016, 57, OCT421.		60
152	Aqueous Angiographic Outflow Improvement after Trabecular Microbypass in Glaucoma Patients. Ophthalmology Glaucoma, 2019, 2, 11-21.	1.9	60
153	Relationship of Optic Nerve Structure and Function to Peripapillary Vessel Density Measurements of Optical Coherence Tomography Angiography in Glaucoma. Journal of Glaucoma, 2017, 26, 548-554.	1.6	60
154	Effect of Laser Trabeculoplasty on Nocturnal Intraocular Pressure in Medically Treated Glaucoma Patients. Ophthalmology, 2007, 114, 666-670.	5.2	59
155	Aqueous Angiographyâ€"Mediated Guidance of Trabecular Bypass Improves Angiographic Outflow in Human Enucleated Eyes. , 2016, 57, 4558.		59
156	Mitochondrial pathogenic mechanism and degradation in optineurin E50K mutation-mediated retinal ganglion cell degeneration. Scientific Reports, 2016, 6, 33830.	3.3	59
157	Latanoprostene Bunod 0.024% in Subjects With Open-angle Glaucoma or Ocular Hypertension: Pooled Phase 3 Study Findings. Journal of Glaucoma, 2018, 27, 7-15.	1.6	59
158	Fluorescein Aqueous Angiography in Live Normal Human Eyes. Journal of Glaucoma, 2018, 27, 957-964.	1.6	59
159	Comparing neural networks and linear discriminant functions for glaucoma detection using confocal scanning laser ophthalmoscopy of the optic disc. Investigative Ophthalmology and Visual Science, 2002, 43, 3444-54.	3.3	59
160	Sustained Effect of Travoprost on Diurnal and Nocturnal Intraocular Pressure. American Journal of Ophthalmology, 2006, 141, 1131-1133.	3.3	58
161	Aqueous Angiography: Real-Time and Physiologic Aqueous Humor Outflow Imaging. PLoS ONE, 2016, 11, e0147176.	2.5	58
162	Regional Optic Nerve Damage in Experimental Mouse Glaucoma. , 2004, 45, 4352.		57

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163	Efficacy of Latanoprostene Bunod 0.024% Compared With Timolol 0.5% in Lowering Intraocular Pressure Over 24 Hours. American Journal of Ophthalmology, 2016, 169, 249-257.	3.3	57
164	Asymmetry of Right versus Left Intraocular Pressures over 24 Hours in Glaucoma Patients. Ophthalmology, 2006, 113, 425-430.	5.2	56
165	Strategies for improving early detection of glaucoma: the combined structure–function index. Clinical Ophthalmology, 2014, 8, 611.	1.8	56
166	Optic Nerve Head Deformation in Glaucoma. Ophthalmology, 2015, 122, 1317-1329.	5.2	56
167	Inter-eye Asymmetry of Optical Coherence Tomography Angiography Vessel Density in Bilateral Glaucoma, Glaucoma Suspect, and Healthy Eyes. American Journal of Ophthalmology, 2018, 190, 69-77.	3.3	56
168	The NEIGHBOR Consortium Primary Open-Angle Glaucoma Genome-wide Association Study. Journal of Glaucoma, 2013, 22, 517-525.	1.6	55
169	Predicting the Onset of Glaucoma. Ophthalmology, 2010, 117, 1674-1683.	5.2	54
170	Twenty-Fourâ€"Hour Pattern of Intraocular Pressure in Untreated Patients with Ocular Hypertension. , 2013, 54, 512.		54
171	What rates of glaucoma progression are clinically significant?. Expert Review of Ophthalmology, 2016, 11, 227-234.	0.6	54
172	Optic disk topography after medical treatment to reduce intraocular pressure. American Journal of Ophthalmology, 2000, 130, 280-286.	3.3	53
173	Genome-Wide Analysis of Central Corneal Thickness in Primary Open-Angle Glaucoma Cases in the NEIGHBOR and GLAUGEN Consortia. , 2012, 53, 4468.		52
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